

CLAIM AMENDMENTS

1 1. (Previously presented) An armor comprising:

2 at least one projectile destroying layer having a woven
3 ballistic fabric with yarn crossovers between weft and warp yarns
4 and metal disks resistant to disintegration upon impact with a
5 projectile and traversed by at least one of the weft and warp yarns
6 at the crossovers and orienting said disks so that edges thereof
7 are presented to flanks of a projectile penetrating into the
8 projectile destroying layer and shred the projectile; and

9 at least one layer containing ballistic fibers for
10 trapping projectile fragments behind said projectile destroying
11 layer.

1 2. (Previously presented) The armor defined in claim 1

2 wherein said woven ballistic fabric is composed of high tensile
3 strength fibers resistant to disintegration upon impact with a
4 projectile and selected from the group which consists of aramid,
5 polyethylene and poly-p-phenylenebenzo-bis oxazole yarns.

1 3. (Original) The armor defined in claim 2 wherein said

2 yarns have a denier between 19 and 1500 dtex.

1 4. (Original) The armor defined in claim 3 wherein said

2 ballistic fabric has yarn density of 5 threads per inch to 100
3 threads per inch.

1 5. (Original) The armor defined in claim 1 which
2 comprises a plurality of said projectile destroying layers and a
3 plurality of said layers for trapping projectile fragments in a
4 ballistic fabric shell forming a body armor.

1 6. (currently amended) The armor defined in claim 1
2 wherein said disks are composed of titanium, titanium alloy, or
3 other [high tensile strength] ductile metal or alloy capable of
4 shredding a projectile penetrating into the projectile-destroying
5 layer.

1 7. (Original) The armor defined in claim 6 wherein said
2 disks are circular.

1 8. (Withdrawn) The armor defined in claim 6 wherein
2 said disks have irregular or polygonal contours.

1 9. (Currently Amended) The armor defined in claim 1
2 wherein said ballistic fiber is [composed of] a [high tensile
3 strength] fiber resistant to disintegration upon impact with a
4 projectile and selected from the group which consists of aramid,
5 polyethylene or poly-p-phenylenebenzo-bis oxazole fiber.

1 10. (Currently Amended) A projectile destroying layer
2 for use in an armor and comprised of a woven ballistic

3 fabric with yarn cross overs between warp and weft yarns of aramid,
4 polyethylene or poly-p-phenylenebenzo-bis-oxazole fiber and metal
5 disks resistant to disintegration upon impact with a projectile and
6 anchored at at least some of said crossovers and consisting of a
7 metal capable of tearing apart a projectile entering said layer,
8 and selected from the group of titanium and titanium alloys said
9 disks being traversed by at least one of the warp and weft
10 yarns at said crossovers and orienting said disks so that edges
11 thereof are presented to flanks of a projectile penetrating into
12 the projectile destroying layer and shred the projectile.

1 11. (Currently amended) The projectile destroying layer
2 defined in claim 10 wherein said disks are composed of titanium,
3 titanium alloy, or other [high tensile strength] ductile metal or
4 alloy capable of shredding a projectile penetrating into the
5 projectile-destroying layer.

1 12. (Currently amended) The projectile destroying
2 layer defined in claim 11 wherein said fabric is composed of at
3 least one yarn spun from a [high ensile strength fiber] resistant
4 to disintegration upon impact with a projectile and selected from
5 the group which consists of aramid, polyethylene or poly-p-
6 phenylene benzo-bis-oxazole fiber.

1 13. (Currently Amended) ~~The projectile destroying layer~~
2 ~~defined in claim 12 wherein~~

3 A projectile destroying layer for use in an armor and
4 comprised of a woven ballistic fabric with yarn cross overs between
5 warp and weft yarns of aramid, polyethylene or poly-p-phenylene
6 benzo-bis-oxazole fiber and metal disks resistant to disintegration
7 upon impact with a projectile and anchored at at least some of said
8 crossovers and consisting of a metal capable of tearing apart a
9 projectile entering said layer, and selected from the group of
10 titanium and titanium alloys said disks being traversed by at least
11 one of the warp and weft yarns at said crossovers and orienting
12 said disks so that edges thereof are presented to flanks of a
13 projectile penetrating into the projectile destroying layer and
14 shred the projectile, said disks [are] being provided in a density
15 of 10 to 500 per square inch.

1 14. (Original) The projectile destroying layer defined
2 in claim 13 wherein said fabric has a thread density for the warp
3 and weft of 5 to 100 threads per inch.

1 15. (Original) The projectile destroying layer defined
2 in claim 14 wherein said yarn has a diameter of 10 to 1500 dtex.

1 16. (Original) A projectile destroying structure for an
2 armor consisting of a plurality of layers as defined in claim 10.

1 17. (currently amended) The structure defined in claim
2 16 which comprises 2 to 155 of said projectile destroying layers.

1 18. (Original) In an armor, at least one projectile-
2 damaging layer comprised of fabric having beads with edges
3 positioned to engage flanks of an oncoming projectile and to shred
4 the projectile while said fabric captures fragments of the shredded
5 projectile.

1 19. (Previously presented) The layer defined in claim 18
2 wherein said beads are disks.